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Patent Claims

 xDSL line tester, particularly an ADSL line tester, having

- means (3) for generating at least one polling frequency signal of prescribed shape and duration which is intended for the connection test,
- means (4) for transmitting the frequency signal
 onto the line,
 - means (5, 7) for detecting at least one response frequency signal transmitted by a remote station on the line in response to the polling frequency signal, and
- means (12) for signaling setup of a connection to
 the remote station on the basis of detection of the response frequency signal.
- xDSL line tester according to claim 1, in which

 the generating means (3) are designed for

 generating at least one R tone based on the "ANNEX A" specification published by the ITU (International Telecommunication Union).
- 3. $\times DSL$ line tester according to claim 1 or 2, in 25 which
 - the detection means are designed for detecting at least one C tone based on the "ANNEX A" specification published by the ITU (International Telecommunication Union).

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- 4. xDSL line tester according to claim 1, in which
- the generating means (3) comprise a frequency generator (particularly a sine wave generator).
- 35 5. xDSL line tester according to claim 1, in which
 - the detection means (5, 7) have a high pass filter
 - (5) and an integrator (7).

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- 6. xDSL line tester according to claim 1, in which
- the signaling means (12) comprise a light emitting diode.
- 5 7. xDSL line tester according to claim 1, which
 - comprises a housing which has the signaling means
 (12) on an outer wall.
 - 8. xDSL line tester according to claim 7, in which
- 10 an outer wall of the housing has a pushbutton switch (11) arranged on it which a user can use to input a start signal for the test procedure.
 - 9. xDSL line tester according to claim 1, having
- 15 a central processor unit (1) which is connected to the generating means (2) and to the detection means (5, 7) and in which
 - the shape and duration of the polling frequency signal which is to be emitted have been programmed.